

WHAT IS CLAIMED IS:

1. A process for charcoal manufacture and activation,
comprising the steps of:

- 5 a. obtaining raw material comprising hardwood chips;
b. selectively sizing said raw material;
c. blending said raw material on an approximately
equal volumetric basis with selectively sized
activated charcoal granules;
10 d. introducing said blend into an electrical
resistance furnace to form a bed of said blend;
e. applying a voltage across said bed; and,
f. controlling said voltage across said bed to
produce a uniform bed temperature;

15 whereby a high quality uniform activated charcoal is
produced thereby.

2. The method of Claim 1, wherein said voltage is
approximately five hundred volts direct current (500
20 VDC).

3. The method of Claim 1, wherein said raw material is sized less than approximately seven millimeters, but greater than approximately four millimeters.

5 4. The method of Claim 1, wherein said activated granules are sized less than approximately six millimeters, but greater than approximately three millimeters.

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